

**Requirements for PDFs created by the customer for the use of digital data control at Faubel.
These PDFs can also be applied optimally for subsequent use.**

In order that a PDF is applicable, the following points must be adhered to:

Adobe Acrobat Reader and thus the Adobe PDF Writer ought to be installed on the computer system which the texts respectively data are installed on. The PDF writer is a print driver which makes it possible to create applicable PDFs from any application.

There are (to some extent free of charge) alternatives which cannot necessarily create PDFs for further use.

The optimal solution is to install Adobe Acrobat together with the so-called Acrobat Distiller. The Distiller also offers a print driver, which can be configured with the so-called Joboptions, i.e. special pre-settings. Once one has found the best PDF settings for the individual application (e.g. Microsoft Word) they can be saved and used again and again. This ensures a consistent quality. In case the conversion into PDF fails, Acrobat Distiller sends a message where you can read the cause of the failure.

The optimal pre-setting is: PDF X/1a: 2001

PDF X/1a: 2001 is a standard to assure the "blind data exchange". Furthermore the Acrobat Distiller is also prompted to check the PDF on basic mistakes on request.

This pre-setting ensures that the following essential criteria are kept.

- All fonts must be embedded (integrate in the PDF)
- For this purpose it is very important that no fonts are used which feature special licensing restrictions (interdiction of embedding etc.)
- In case a font cannot be embedded into the PDF, the operating system uses another font which might lead to mistakes (wrong characters in the PDF etc.)
- Special care is necessary with regard to fonts of Asian or Eastern European countries. As special characters are used, it is advisable to use standard fonts such as Arial or Helvetica. The use of other fonts might produce incorrect PDFs.
- Existing pictures must have a resolution of least 300DPI.
- The color mode of the picture must be preprocessed for Offset printing (CMYK for color pictures respectively gray scale values or S/W for black pictures such as logos).
Pictures which are downloaded from the internet generally dispose of only 72 DPI and are created in the RGB mode (as a soft copy). This results in pictures which are very blurred when printed and the colors do not correspond to the required print image.
- The PDF must not contain any multimedia-based sounds, videos, web links etc.
- The PDF must not be password protected.
- The PDF should not be seperated beforehand (i.e. it should not be seperated in the individual colors).